

Tightening torque

Nm

Hex. nut or countersunk screw with hex. socket
for fastening steering wheel to steering wheel shaft

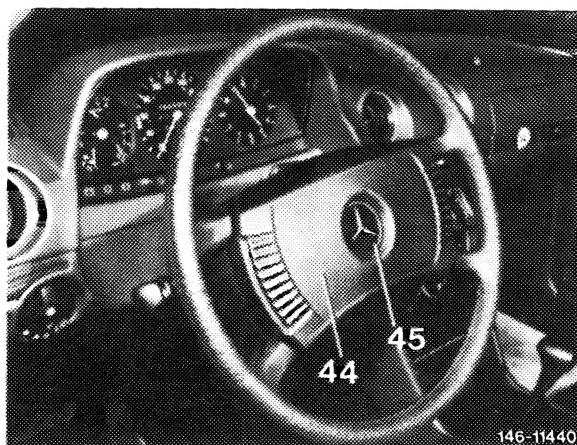
80

A. Steering wheel without airbag unit

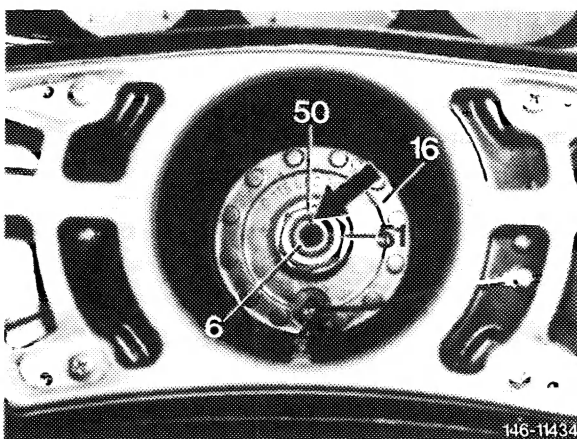
Removal

Steering wheel 1st version

1 Pull pad (44) from horn carrier in upward direction. Pulling is done best at a corner of pad near one of the two steering wheel spokes.



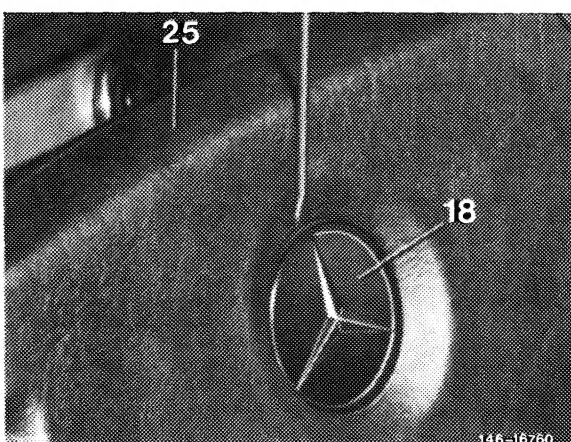
2 Unscrew hex. nut (50).



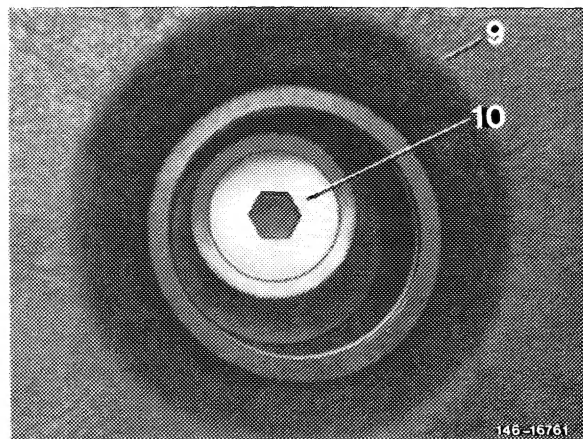
Steering wheel 2nd version

3 Remove company symbol (18) from pad (25) with a small screw driver.

Note: To prevent damage, do not pull pad from horn carrier on steering wheel 2nd version.

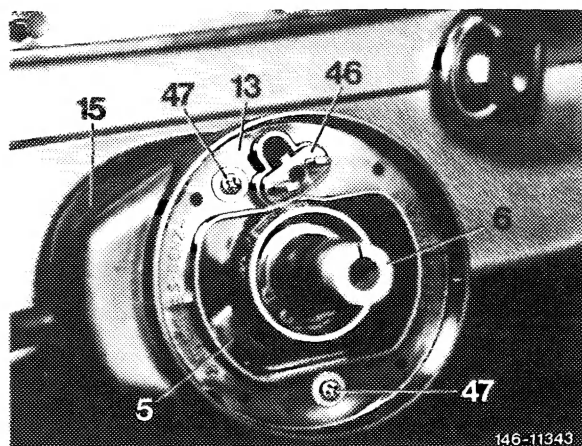


4 With steering lock (10) engaged, unscrew counter-sunk screw from steering wheel shaft.



5 On both versions, remove steering wheel from steering wheel shaft.

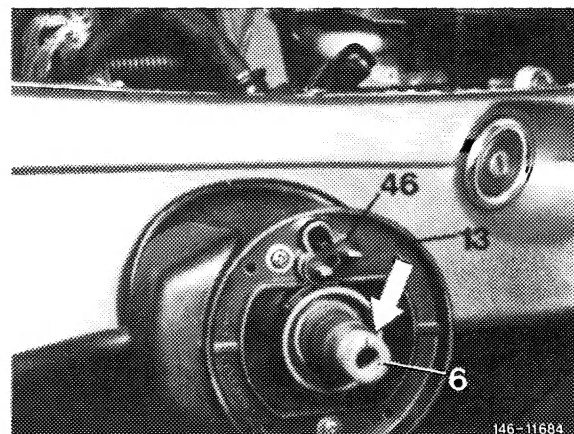
- 5 Jacket tube
- 6 Steering shaft
- 13 Jacket tube encasing
- 15 Rubber cover
- 46 Contact carbon
- 47 Combination screw



Installation

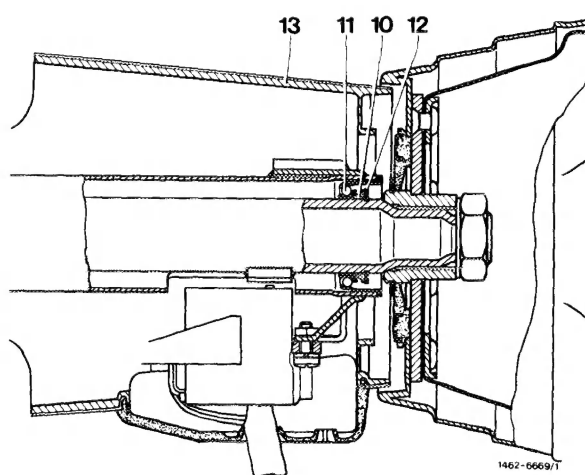
6 Turn steering shaft (6) so that marking line (arrow) is pointing accurately upwards.

7 Place steering wheel on splining of steering shaft while making sure of horizontal position of spokes on steering wheel, the slightly curved spoke should be below.

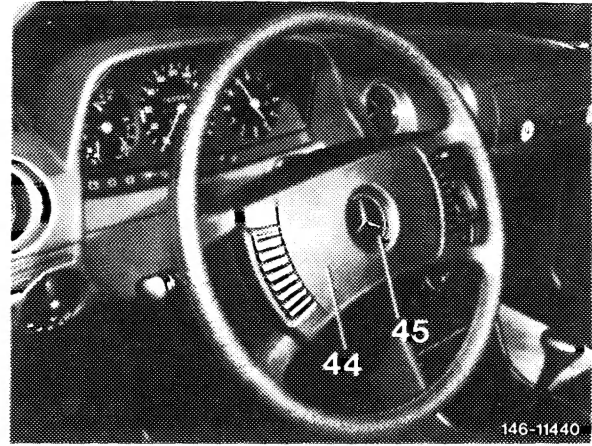


Steering wheel 1st version

8 Screw-on hex. nut and tighten to 80 Nm.



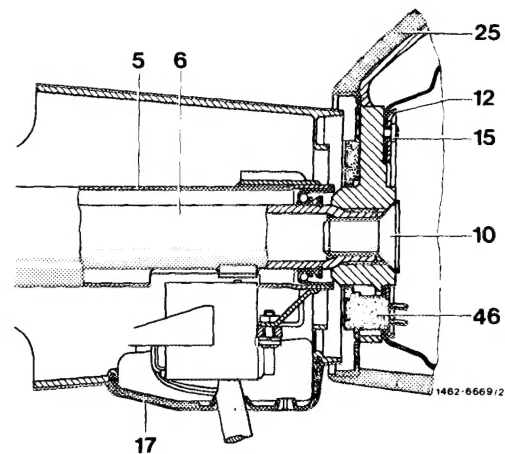
9 Attach pad to horn carrier. Unbuttoning of pad is done best by starting at a corner near steering wheel spokes. Do not use force so that the horn carrier is not damaged.



Steering wheel 2nd version

10 With steering lock engaged, screw countersunk screw (10) into steering wheel shaft and tighten to 80 Nm.

11 Insert company symbol into pad.



Both versions

12 During trial run, check position of steering wheel in straight ahead position of road wheels. If the steering wheel position when driving straight ahead is not in agreement with front wheels, the steering wheel can be displaced in splining by max. 2 teeth to the left or right.

Note: If position of steering wheel and straightahead position of wheels are still not yet correct, check toe-in starting from center position of steering and adjust (40–320).

13 Check horns for function and automatic return of combination switch.

Note: Dirty or sticky steering wheels can be cleaned with a neutral type of household cleaner by washing the steering wheel with a lukewarm solution of the cleaner.

Do not use scouring compounds, since they will attack the plastic foaming.

B. Steering wheel with airbag unit

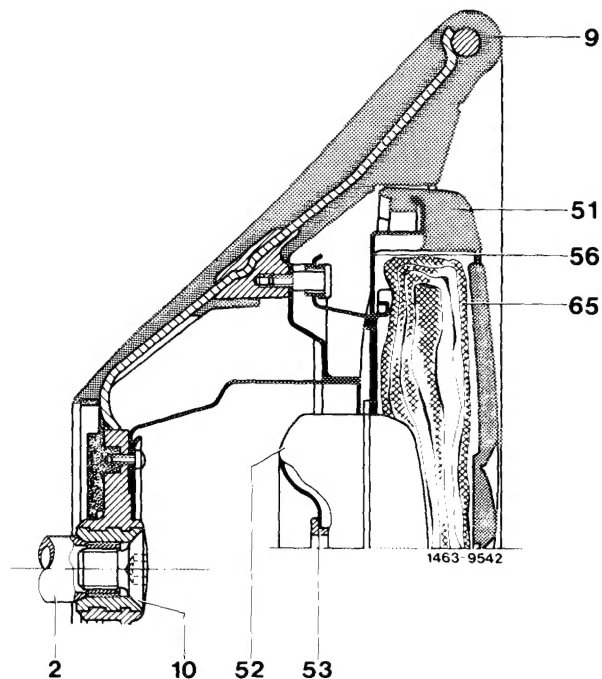
Special tool

Screwdriver element T x 30
1/4" hex. 60 mm long



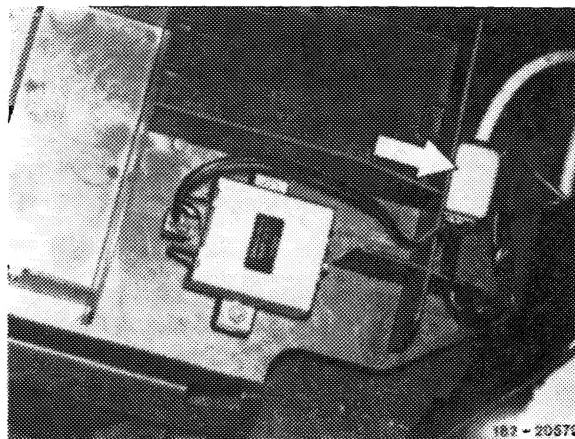
126 589 00 10 00

- 2 Steering shaft
- 9 Steering wheel
- 10 Countersunk screw
- 51 Airbag unit
- 52 Gas generator plug connection
- 56 Generator carrier
- 65 Airbag

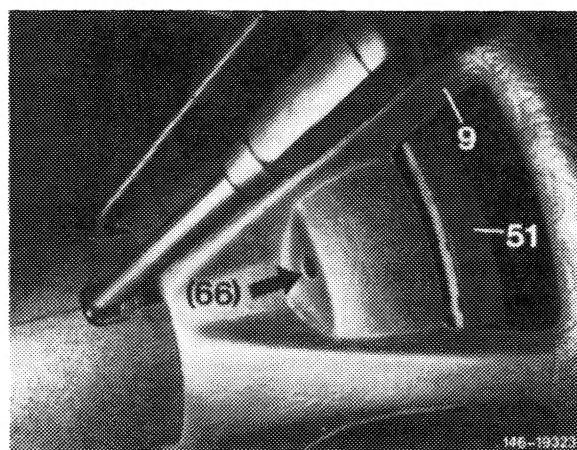


Removal

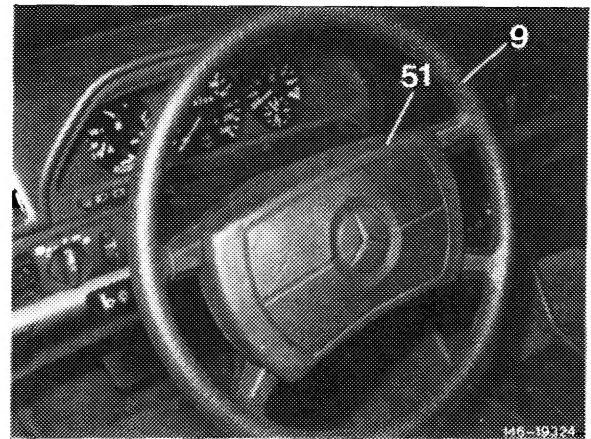
- 1 Disconnect grounding cable on battery, cover pole and turn ignition key to 0-position.
- 2 Remove floor mat in lefthand driver's legroom.
- 3 Disconnect leg support on front wall and pull off plug connection of release unit.



- 4 Unscrew both oval head screws (66) with Intorx out of generator carrier by means of screwdriver element, which will release generator carrier from contact bridges.

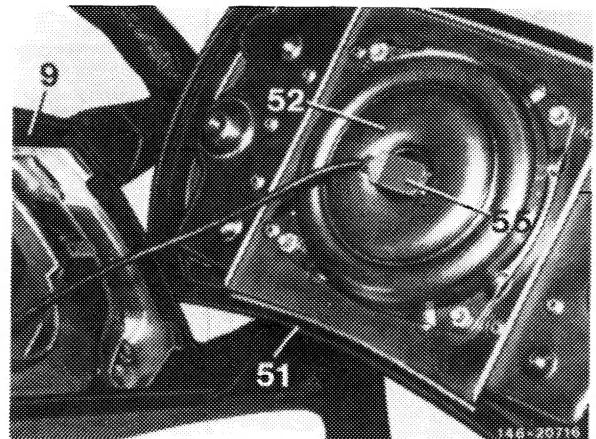


5 Lift complete airbag unit (51) from steering wheel.



6 Pull connection (55) from gas generator.

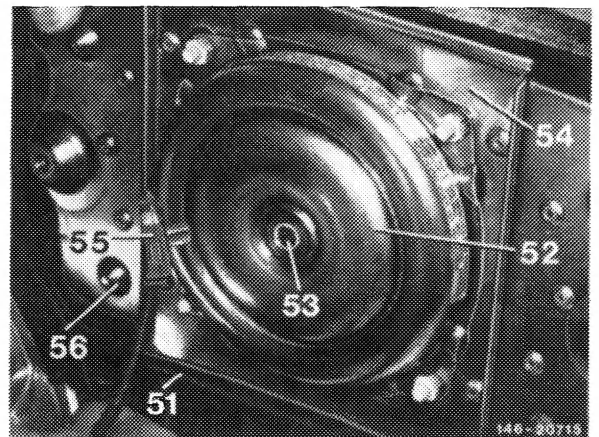
Note: Pulling of plug connection will automatically make a short-circuit bridge in gas generator effective.



7 Remove airbag unit from steering wheel.

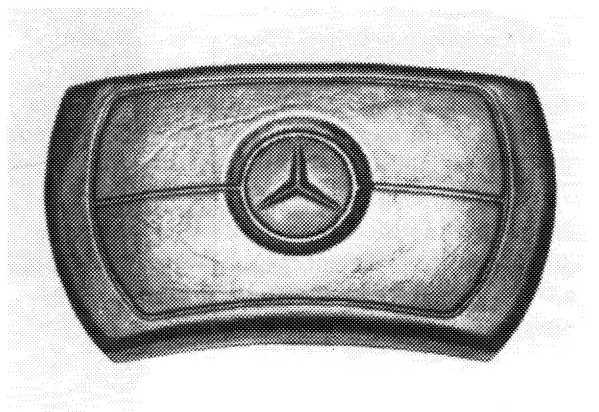
Note: a) No other jobs may be performed on complete airbag unit. The airbag unit must be stored under personal supervision or, if removed for an extended period, under lock and key.

b) Only the complete airbag unit is available as a spare part.



Attention!

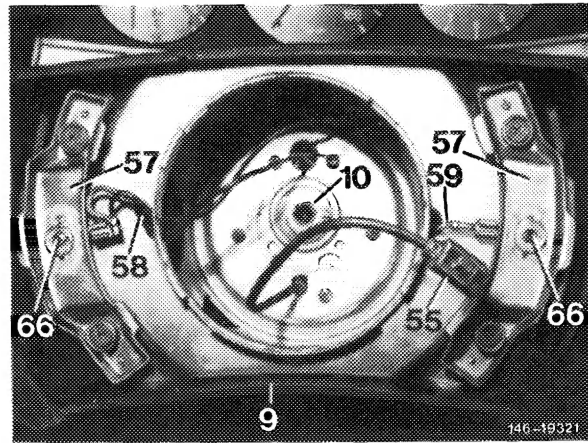
Upon removal, always store airbag unit in such a manner that the padded side is facing **upwards**.



8 Unscrew countersunk screw (10) from steering shaft.

9 Remove steering wheel from steering shaft.

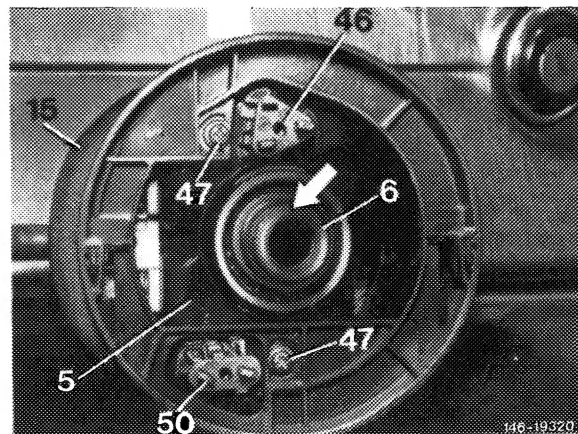
- 9 Steering wheel
- 10 Countersunk screw
- 55 Plug connection
- 57 Horn buttons
- 58 Cable for signal horn
- 59 Grounding cable on steering wheel
- 66 Oval head screw with Intorx



Installation

10 Turn steering shaft (6) in such a manner that the mark (arrow) is pointing accurately in upward direction.

11 Check contact carbons (50) for airbag and (46) for signal horn.

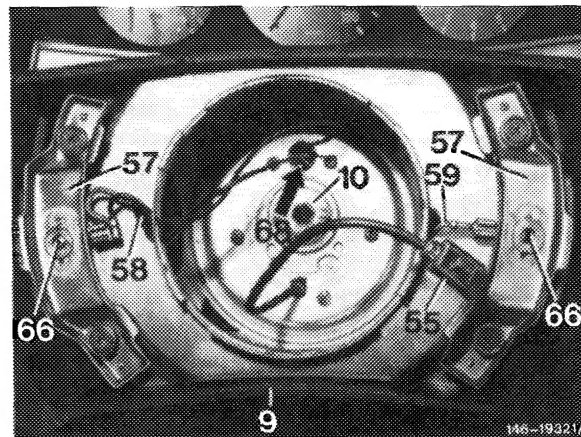


12 Place steering wheel on serrations of steering shaft while paying attention to horizontal position of spokes on steering wheel; the slightly curved spoke should be below.

13 Screw countersunk screw (10) into steering shaft and tighten to 80 Nm.

Note: The self-locking countersunk screw must be replaced on principle.

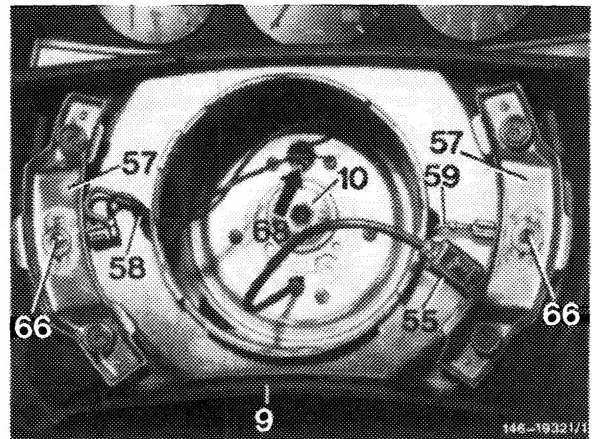
14 Pull cable (68) from plug connection of slip ring.



15 During trial run, check position of steering wheel in straightahead position of road wheels. If steering wheel position when driving straightahead is not in agreement with front wheels, the steering wheel can be displaced by max. two teeth to the left or right on serrations.

Note: If the position of the steering wheel and the straightahead position of the road wheels is still not yet correct, check toe-in starting from position of steering and adjust (40-320).

16 Connect cable (68) on plug connection of slip ring.

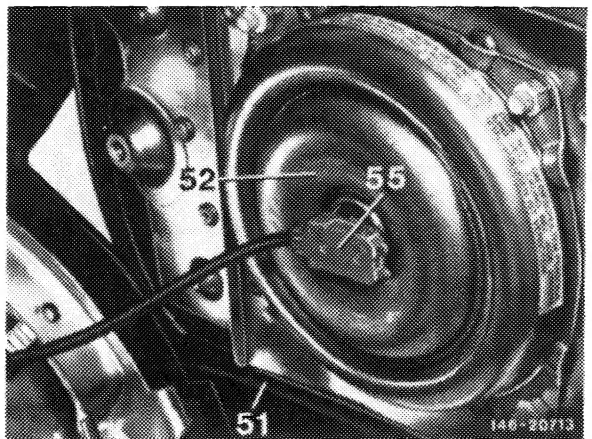
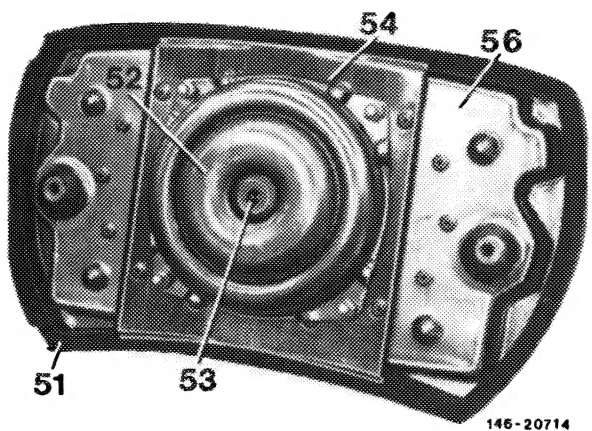


Installation of airbag unit

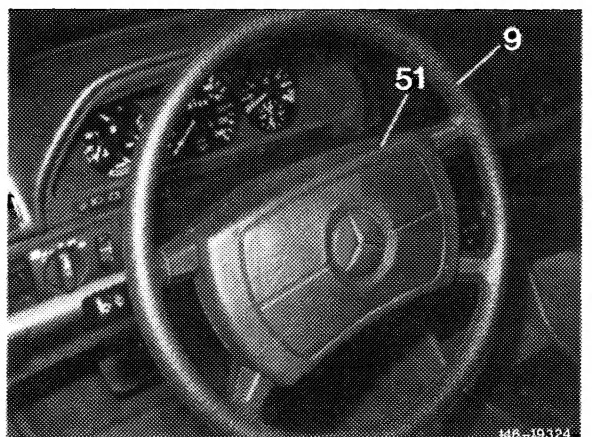
Attention!

- a) Do not use grease, cleaning compounds or the like for airbag unit.
- b) Do not expose airbag unit to temperatures above 100 °C, not even for short periods.
- c) The airbag unit is sensitive to impacts. If the unit drops from a height of more than 50 cm on hard ground, do not install airbag unit again but return to the Sindelfingen plant packed in a special bag (transportation means).
- d) Prior to installation of airbag unit check whether grounding cable is disconnected from battery, whether pole is covered and whether ignition key is in 0-position.

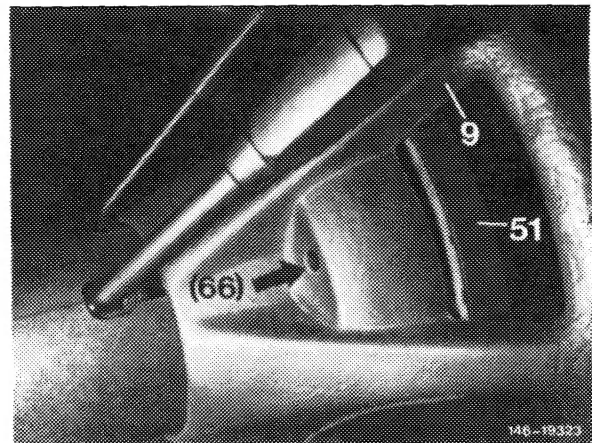
17 Connect plug connection (55) to gas generator (plug connection **should** audibly engage).



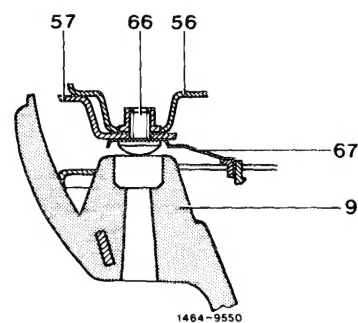
18 Place airbag unit (51) on steering wheel.



19 Screw oval head screws (66) with Intorx (arrow) with insert into generator carrier (56). Tightening torque 6 Nm.



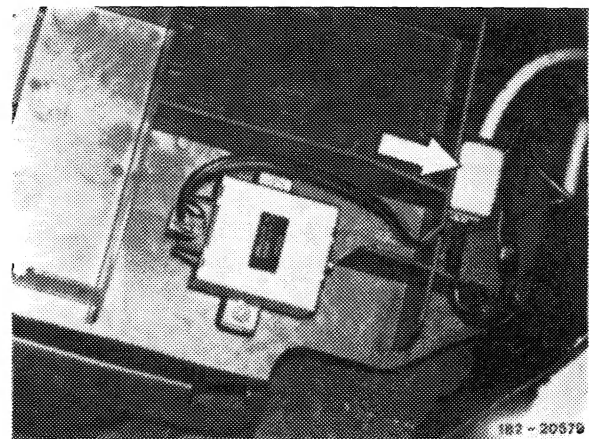
- 9 Steering wheel
- 56 Generator carrier
- 57 Contact bridges
- 66 Oval head screw with Intorx
- 67 Triangular spring



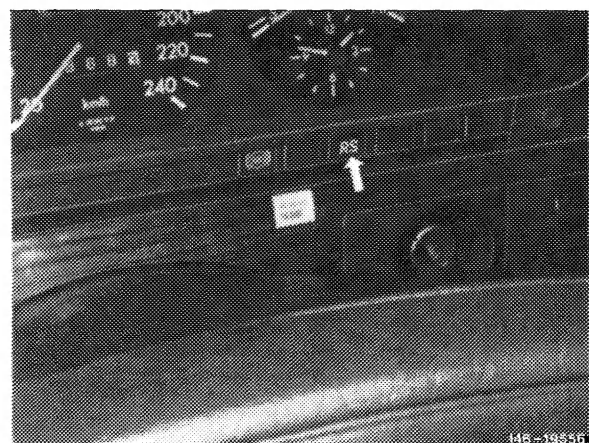
20 Check system with tester.

21 Following test, disconnect grounding cable on battery and connect plug connection to release unit with ignition switched off. Attach legrest to front wall and place floor mat into driver's legroom.

22 Connect grounding cable to battery.



23 Watch indicator lamp while turning to full lock in both directions with engine running. Indicator lamp should not light up or flicker.



24 Check signal horns for function and automatic resetting of combination switch.

25 Check for rattling noises by knocking on steering wheel rim.

Note: Dirty or sticky steering wheels can be cleaned with a neutral household cleaning compound by washing the steering wheel with a luke-warm solution of the cleaner.

Do not use abrasive compounds, since such compounds will attack the plastic foaming.